

Table 1: Summary of Impacts for New Location Build Alternatives

Impact	U-4734			U-2800
	Alternative 1	Alternative 2	Alternative 5	
Length (miles)	1.54	1.59	1.55	0.94
Bridges over Streams (#)	1	1	1	0
Major Culvert Crossings >72" (#)	1	1	1	0
Stream Crossings (#/length in ft)	1/294	1/294	2/478	10/2,343
Wetlands (#/acres)	2/1.8	2/1.1	2/1.0	1/0.1
Ponds (#/acres)	1/0.3	1/0.2	1/0.1	0
100-Year Floodplain (acres)	1.7	1.0	1.1	0
Total Protected Riparian Buffer (ft ²)	28,983	29,831	44,976	168,726
Water Supply Critical Areas (Y/N)	N	N	N	N
Prime Farmlands (acres)	95.4 (includes U-2800)	96.1 (includes U-2800)	94.3 (includes U-2800)	(included in U-4734)
VADs and EVADs (Y/N)	N	N	N	N
Significant Natural Heritage Areas (# of crossings)	0	0	0	0
Known Critical Habitat of Federally Listed Threatened & Endangered Species (#)	0	0	0	1
Presence of Threatened and Endangered Species – Federally Listed (Y/N)	N	N	N	N
Presence of Threatened and Endangered Species – State Listed (Y/N)	N	N	N	N
Forest Impacts (acres)	35.9	36.9	37.4	47.1
Historic Properties (#)	0	0	0	0
Section 6(f) Properties (Y/N)	N	N	N	N
Archaeological Sites (#)	0	0	0	0
Parks (#/acres)	1/7.1	1/6.5	1/6.0	0
Wildlife Refuge and Gamelands (Y/N)	N	N	N	N
Federal Lands (Y/N)	N	N	N	N
Greenway Crossings (#)	1	1	1	0
Potential Section 4(f) Impacts (Y/N)	N	N	N	N
Residential Relocations (#)	6	6**	5	10
Business Relocations (#)	1	1	1	6
Non-Profit Organizations (#)	0	0	0	2
Low Income/Minority Populations (Y/N)	N	N	N	N
Limited English Proficiency (LEP) Populations Present (Y/N)	Y – according to Demographic Study Area			
Schools (#)	0	0	0	0
Churches (#)	0	0	0	0
Cemeteries (#)	0	0	0	0
Railroad Crossings (#)	0	0	0	1
Major Utility Crossings (#)	1	1	1	1
Noise (# of receptors*)	5	4	6	3
Air Quality (Y/N)	N	N	N	N
Hazardous Materials Sites (#/severity)	0/none	0/none	0/none	3/low-mod 1/mod-high
Estimated Utility Cost	\$233,552	\$153,600	\$153,600	\$614,346
Estimated Right-of-way Cost	\$4,372,000	\$3,996,000	\$4,050,500	\$8,552,300
Estimated Construction Cost	\$10,800,000	\$11,400,000	\$11,900,000	\$32,700,000
Total Cost	\$15,405,552	\$15,549,600	\$16,104,100	\$41,866,646

Note: All impacts based on preliminary design slopestakes plus 25 feet except for forest impacts, which are based on preliminary design right-of-way. Additionally, prime farmlands impacts are based upon functional designs plus 40 feet. * Noise receptors may consist of houses, churches, parks, schools, libraries, or hotels. ** Since the EA was prepared, residential relocation impacts have been updated, resulting with one change to Table 2: Alternative 2 was updated from 4 to 6 residential relocations.